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# MONTANA OIL AND GAS STATISTICAL BULLETIN

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## THE OIL AND GAS CONSERVATION COMMISSION

VOL. V. No. 11 — McKEE PRINT. — November, 1957

Production of crude oil and condensate from the oil and gas areas of Montana for the month of November, 1957, averaged 75,029 barrels daily, a decrease of 780 barrels from the average October production of 75,809.

The ten refineries in the State processed 67,232 barrels of crude oil daily for the month of November, 1957, an increase of 13,880 barrels daily from the 53,352 barrels processed daily during the month of October, 1957.

During November, 46 wells were completed, 13 oil, 2 gas wells and 31 dry holes.

During November, the Commission issued 33 permits to drill new wells a decrease of 15 from the 48 permits issued during October.

### SUMMARY OF CRUDE OIL PRODUCTION, REFINING STORAGE, ETC., IN MONTANA

MONTH OF NOVEMBER, 1957

| | |
|---|---|
| IN STORAGE NOVEMBER 1st: | |
| By Producers | 356,329 |
| By Transporters | 724,589 |
| By Refiners | 708,216 |
| TOTAL STORAGE | 1,789,134 |
| Produced in Montana During Month | 2,250,879 |
| Imported During Month | 1,220,215 |
| TOTALS | 5,260,228 |
| DISPOSITION: | |
| Refined in Montana | 2,016,991 |
| Exported | 1,451,614 |
| Used for Fuel or Lost | 13,111 |
| TOTAL | 3,481,716 |
| IN STORAGE NOVEMBER 30th: | |
| By Producers | 354,282 |
| By Transporters | 701,036 |
| By Refiners | 723,194 |
| TOTAL STORAGE | 1,778,512 |

### NATURAL GAS WITHDRAWALS IN MONTANA

Month of November, 1957

| Field | M Cu. Ft. |
|---|---|
| Bears Den | 0 |
| Big Coulee | 59,652 |
| Bowdoin | 211,371 |
| Bowes | 110,321 |
| Box Elder | 0 |
| Cabin Creek | 53,262 |
| Cedar Creek | 624,125 |
| Cut Bank (Including Reagan) | 1,465,817 |
| Devon | 0 |
| Dry Creek | 187,478 |
| Elk Basin | 42,540 |
| Flat Coulee | 35,690 |
| Golden Dome | 5,217 |
| Hardin | 7,550 |
| Keith Block | 274,681 |
| Kevin Sunburst | 116,998 |
| Pine | 81,331 |
| Plevna | 17,741 |
| Utopia | 83,485 |
| Whitlash | 139,933 |
| Miscellaneous | 45,476 |
| TOTAL | 3,562,668 |

Total Withdrawal for November 1956 were 3,298,305 M Cu. Ft.

## PRODUCER'S REPORT

### MONTH OF NOVEMBER, 1957

| Leases Operated | Field | No. of Wells | Storage First of Month | Oil Produced | Oil Shipped By Pipeline | Oil Shipped By Truck | Used or Lost | Storage End of Month |
|---|---|---|---|---|---|---|---|---|
| 1 | Ash Creek | 4 | 534 | 3,127 | ..... | 2,669 | ..... | 992 |
| 1 | Bannatyne | 2 | ..... | 451 | ..... | 451 | ..... | ..... |
| 11 | Big Wall | 27 | 4,194 | 22,931 | ..... | 22,377 | ..... | 4,748 |
| 6 | Blackfoot | 9 | 1,734 | 9,843 | ..... | 9,681 | ..... | 1,896 |
| 4 | Border | 3 | ..... | 1,002 | ..... | 1,002 | ..... | ..... |
| 19 | Bowes | 86 | 7,782 | 27,342 | 25,710 | ..... | ..... | 9,414 |
| 1 | Bredette | 1 | 1,881 | 1,268 | 809 | ..... | ..... | 2,340 |
| 4 | North Bredette | 4 | 3,283 | 12,974 | 10,836 | 2,569 | ..... | 2,852 |
| 1 | Brorsen | 2 | 1,924 | 2,175 | 2,441 | ..... | ..... | 1,658 |
| | Bynum | ... | 114 | ..... | ..... | ..... | ..... | 114 |
| 3 | Cabin Creek | 61 | 20,087 | 334,142 | 334,211 | ..... | 2,507 | 17,511 |
| 29 | Cat Creek | 84 | 5,887 | 13,529 | 13,218 | ..... | ..... | 6,198 |
| 1 | Clark's Fork | 1 | 755 | 247 | ..... | 747 | ..... | 255 |
| 2 | Clark's Fork, North | 2 | 1,999 | 10,616 | ..... | 11,375 | ..... | 1,240 |
| 2 | Cupton | 2 | 688 | 1,896 | 1,369 | ..... | ..... | 1,215 |
| 340 | Cut Bank | 1,146 | 115,474 | 201,169 | 200,571 | ..... | 260 | 115,812 |
| 3 | Deer Creek | 5 | 2,144 | 6,740 | 7,490 | ..... | ..... | 1,394 |
| 2 | Delphia | 2 | 726 | 3,234 | ..... | 2,914 | ..... | 1,046 |
| | Devil's Basin | .... | 529 | ..... | ..... | ..... | ..... | 529 |
| 5 | Dry Creek | 5 | 1,287 | 7,330 | 7,361 | ..... | ..... | 1,256 |
| 20 | Elk Basin | 58 | 12,330 | 224,658 | 228,558 | ..... | ..... | 8,430 |
| 3 | Fertile Prairie | 3 | 2,141 | 1,685 | 2,352 | ..... | ..... | 1,474 |
| 2 | Frannie | 2 | 450 | 3,893 | 3,850 | ..... | ..... | 493 |
| 1 | Gage | 1 | 733 | 161 | ..... | 289 | ..... | 605 |
| 3 | Gas City | 12 | 4,510 | 24,694 | 23,062 | ..... | ..... | 6,142 |
| 6 | Glendive | 12 | 4,902 | 55,943 | 53,020 | ..... | ..... | 7,825 |
| 5 | Ivanhoe | 12 | 5,284 | 31,827 | ..... | 32,467 | ..... | 4,644 |
| 206 | Kevin-Sunburst | 1,455 | 15,830 | 80,500 | 79,969 | ..... | 19 | 16,342 |
| | Lake Basin | .... | 377 | ..... | ..... | ..... | ..... | 377 |
| 1 | Line Coulee | 1 | 875 | 1,390 | 1,769 | ..... | ..... | 496 |
| 1 | Little Beaver | 7 | 1,266 | 16,902 | 14,378 | ..... | 1,321 | 2,469 |
| 2 | East Little Beaver | 2 | 2,213 | 1,662 | 2,532 | ..... | ..... | 1,343 |
| 5 | Melstone | 7 | 3,124 | 7,348 | ..... | 6,058 | ..... | 4,414 |
| 3 | Mosser | 8 | 239 | 1,181 | ..... | 951 | ..... | 469 |
| 6 | Outlook Area | 6 | 10,144 | 6,946 | ..... | 4,803 | ..... | 12,287 |
| 11 | Pennel | 23 | 6,687 | 58,877 | 58,015 | ..... | ..... | 7,549 |
| 5 | Pine | 116 | 20,382 | 444,515 | 443,518 | ..... | 1,385 | 19,994 |
| 69 | Pondera | 323 | 9,149 | 47,529 | 48,219 | ..... | ..... | 8,459 |
| 11 | East Poplar | 98 | 28,824 | 357,513 | 350,474 | 6,294 | 301 | 29,268 |
| 3 | Northwest Poplar | 4 | 2,200 | 2,198 | ..... | 3,557 | ..... | 841 |
| 4 | Ragged Point | 8 | 2,009 | 10,562 | ..... | 11,383 | 7 | 1,181 |
| 1 | Rattlesnake Butte | 1 | 325 | 127 | ..... | 369 | ..... | 83 |
| 4 | Reagan | 44 | 2,809 | 17,346 | 16,671 | ..... | ..... | 3,484 |
| 1 | Repeat | 1 | 755 | 2,055 | 2,749 | ..... | ..... | 61 |
| 4 | Richey | 8 | 3,864 | 12,720 | 13,258 | ..... | ..... | 3,326 |
| 2 | Snyder | 4 | 1,302 | 2,769 | ..... | 2,254 | 1 | 1,816 |
| 5 | Soap Creek | 18 | 7,751 | 7,392 | ..... | 7,536 | ..... | 7,607 |
| 1 | Southwest Richey | 1 | 802 | 997 | 916 | ..... | ..... | 883 |
| 20 | Sumatra | 58 | 15,215 | 106,450 | 103,411 | 3,464 | ..... | 14,790 |
| 4 | Sweetgrass Hills | 4 | 716 | 492 | ..... | 368 | ..... | 840 |
| 8 | Whitlash | 27 | 8,596 | 8,902 | 9,800 | 1,487 | ..... | 6,211 |
| 8 | Wolf Springs | 20 | 6,729 | 48,646 | 48,265 | ..... | ..... | 7,110 |
| 2 | Woodrow | 2 | 1,510 | 2,983 | 3,258 | ..... | ..... | 1,235 |
| | Yellowstone | .... | 1,264 | ..... | ..... | ..... | ..... | 1,264 |
| 362 | | 3,797 | 356,329 | 2,250,879 | 2,112,060 | 135,065 | 5,801 | 354,282 |

| Total Oil Produced and Shipped from Lease | Bbls. Produced | Daily Average | Bbls. Shipped | Daily Average |
|---|---|---|---|---|
| Year, 1956 | 21,759,561 | 59,615 | 21,585,574 | 59,139 |
| First Quarter, 1957 | 6,374,172 | 71,620 | 6,318,255 | 70,992 |
| Second Quarter, 1957 | 6,725,093 | 73,902 | 6,689,645 | 73,512 |
| Third Quarter, 1957 | 7,073,949 | 76,890 | 7,052,113 | 76,653 |
| October 31, 1957 | 2,350,099 | 75,809 | 2,354,871 | 75,963 |
| November 30, 1957 | 2,250,879 | 75,029 | 2,247,125 | 74,904 |

| Oil in Storage | In Producers Field Tanks | In Transporters Storage | In Refiners Storage* | Total Oil in Storage* |
|---|---|---|---|---|
| December, 1956 | 324,681 | 618,681 | 768,496 | 1,711,858 |
| March 31, 1957 | 342,456 | 636,795 | 637,001 | 1,616,252 |
| June 30, 1957 | 355,630 | 655,095 | 518,984 | 1,529,709 |
| September 30, 1957 | 366,613 | 742,243 | 572,043 | 1,680,899 |
| October 31, 1957 | 356,329 | 724,589 | 708,216 | 1,789,134 |
| November 30, 1957 | 354,282 | 701,036 | 723,194 | 1,778,512 |

*Includes Wyoming Oil.

# TRANSPORTERS REPORT

## MONTH OF NOVEMBER, 1957

| | Storage First Of Month | OIL RECEIVED BY | | | Loss or Gain | OIL SHIPPED TO | | | Storage End of Month |
|---|---|---|---|---|---|---|---|---|---|
| | | Pipeline | Truck | Connecting Carrier | | Montana | Other States | Connecting Carrier | |
| ASH CREEK—Truck | | | 2,669 | | | | 2,669 | | |
| BANNATYNE—Truck | | | 451 | | | 451 | | | |
| BIG WALL—Truck | | | 22,377 | | | 11,689 | 10,688 | | |
| BLACKFOOT—Union Oil Co. | | | 9,681 | | | 9,681 | | | |
| BORDER—Truck | | | 1,002 | | | 1,002 | | | |
| BOWES— | | | | | | | | | |
| Trigood Oil Co. | 6,120 | 4,227 | | | | | 6,829 | | 3,518 |
| The Texas Co. | | 21,482 | | | | 21,482 | | | |
| | 6,120 | 25,709 | | | | 21,482 | 6,829 | | 3,518 |
| BRORSON—Sun Oil Co. | | 2,441 | | | | | 2,441 | | |
| CABIN CREEK & OTHERS* | | | | | | | | | |
| Butte Pipe Line Co. | 287,706 | 817,357 | | 518,400 | (36) | | 1,308,084 | | 315,415 |
| Shell Pipe Line Corp. | 7,300 | 100,603 | | | 32 | | | 102,017 | 5,854 |
| | 295,006 | 917,960 | | 518,400 | (4) | | 1,308,084 | 102,017 | 321,269 |
| CAT CREEK— | | | | | | | | | |
| Continental Pipe Line Co. | 9,022 | 9,296 | | | (39) | 9,288 | | | 9,069 |
| Wm. Hanlon | | 3,923 | | | | 3,923 | | | |
| | 9,022 | 13,219 | | | (39) | 13,211 | | | 9,069 |
| CLARK'S FORK—Truck | | | 12,122 | | | 2,473 | 9,649 | | |
| CUT BANK— | | | | | | | | | |
| Big West Oil Co. | | 3,314 | | 33,336 | | 36,650 | | | |
| Darling Gathering System Inc. | 4,589 | 14,138 | | | | 14,202 | | | 4,525 |
| Phillips Petroleum Co. | 67,893 | 37,440 | | 3,476 | 724 | | | 55,952 | 52,133 |
| Texas Pipe Line Co. | 80,896 | 46,893 | | 59,349 | 543 | 87,089 | | 27,783 | 71,723 |
| Toronto Pipe Line Co. | 23,697 | 56,541 | | | (18) | | | 60,193 | 20,063 |
| Union Oil Co. | 121,062 | 53,471 | | 21,316 | 935 | 84,458 | | | 110,556 |
| | 298,137 | 211,797 | | 117,477 | 2,084 | 222,399 | | 143,928 | 259,000 |
| DELPHIA—Truck | | | 2,914 | | | 2,914 | | | |
| DRY CREEK—Ohio Oil Co. | 10,127 | 8,170 | | | 1,455 | 9,454 | | | 7,388 |
| ELK BASIN—Ohio Oil Co. | | 228,558 | | | | 176,940 | 51,618 | | |
| FRANNIE—Ohio Oil Co. | | 3,850 | | | | | 3,850 | | |
| GAGE—Truck | | | 289 | | | 289 | | | |
| GLENDIVE, DEER CREEK & WOODROW— | | | | | | | | | |
| The Texas Pipe Line Co. | 7,006 | 63,284 | | | 52 | | 16,041 | 47,356 | 6,841 |
| IVANHOE—Truck | | | 32,467 | | | 14,729 | 17,738 | | |
| KEVIN-SUNBURST— | | | | | | | | | |
| Big West Oil Co. | 2,557 | 38,130 | | | | 37,619 | | | 3,068 |
| Homestake Oil & Gas Co. | 107 | 4,130 | | | | 3,985 | | | 252 |
| The Texas Pipe Line Co. | 4,082 | 36,266 | | 1,314 | 34 | 37,546 | | | 4,082 |
| Anna Aronow | 114 | 1,357 | | | | | | 1,314 | 157 |
| | 6,860 | 79,883 | | 1,314 | 34 | 79,150 | | 1,314 | 7,559 |
| MELSTONE—Truck | | | 6,058 | | | 6,058 | | | |
| MOSSER—Truck | | | 951 | | | | 951 | | |
| PONDERA—Phillips Petr. Co. | 55,377 | 48,220 | | 26,449 | 2,164 | 73,539 | | | 54,343 |
| POPLAR, BREDETTE, OUTLOOK & LINE COULEE— | | | | | | | | | |
| East Poplar Gathering System | 25,890 | 363,888 | | | 430 | | | 369,026† | 20,322 |
| Truck | | | 17,223 | | | | 17,223 | | |
| | 25,890 | 363,888 | 17,223 | | 430 | | 17,223 | 369,026 | 20,322 |
| RAGGED POINT—Truck | | | 11,383 | | | 11,383 | | | |
| RATTLESNAKE BUTTE—Truck | | | 369 | | | | 369 | | |
| REAGAN—Union Oil Co. | | 16,671 | | | | 16,671 | | | |
| SNYDER—Truck | | | 2,254 | | | 2,254 | | | |
| SOAP CREEK—Truck | | | 7,536 | | | 7,536 | | | |
| SUMATRA— | | | | | | | | | |
| Powder River Pipe Line | 5,252 | 103,411 | | | 516 | 103,353 | | | 4,794 |
| Trucks | | | 3,464 | | | | 3,464 | | |
| | 5,252 | 103,411 | 3,464 | | 516 | 103,353 | 3,464 | | 4,794 |
| SWEETGRASS HILLS—Truck | | | 368 | | | 368 | | | |
| WHITLASH— | | | | | | | | | |
| Homestake Oil & Gas Co. | 3,318 | | | 10,407 | | 10,588 | | | 3,137 |
| Western Natural Gas Co. | 814 | 9,799 | | | | | | 10,406 | 207 |
| Truck | | | 1,487 | | | 1,487 | | | |
| | 4,132 | 9,799 | 1,487 | 10,407 | | 12,075 | | 10,406 | 3,344 |
| WOLF SPRINGS— | | | | | | | | | |
| Powder River Pipe Line Co. | 1,660 | 48,265 | | | | 46,336 | | | 3,589 |
| TOTALS | 724,589 | 2,145,125 | 135,065 | 674,047 | 6,692 | 845,437 | 1,451,614 | 674,047 | 701,036 |

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, East Little Beaver, Pennel, Pine, Repeat, Richey, and Southwest Richey Fields.

†Tranferred to Butte Pipe Line Company.

## BARRELS OF CRUDE OIL REFINED IN MONTANA

### MONTH OF NOVEMBER, 1957

| Field | Big West Oil Co. | Carter Oil Co. | Continental Oil Co. | Diamond Asphalt Co. | Farmers Union | Jet Fuel Refinery | Phil. Petr. Co. | The Texas Co. | Texas Calgary Co. | Union Oil Co. | Unity Petr. Co. | Total by Fields |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bannatyne | | | | | | | 451 | | | | | 451 |
| Big Wall | | | | | 14,139 | | | | | | | 14,139 |
| Blackfoot | | | | | | | | | | 7,962 | | 7,962 |
| Bowes | | | | 12,007 | | | 6,045 | 1,430 | | | | 19,482 |
| Cat Creek | | | 8,894 | | | 3,763 | | | | | | 12,657 |
| Clark's Fork | | | | | 2,473 | | | | | | | 2,473 |
| Cut Bank | 27,174 | | | | | | 24,602 | 116,143 | | 83,765 | | 251,684 |
| Delphia | | | | | | 1,999 | | | | | | 1,999 |
| Dry Creek | | | | | 7,244 | | | | | | | 7,244 |
| Elk Basin | | 113,712 | 51,618 | | | | | | | | | 165,330 |
| Ivanhoe | | | | | | | | | | 13,316 | | 13,316 |
| Kevin-Sunburst | 48,555 | | | | | | | 63,074 | | | | 111,629 |
| Melstone | | | | | 6,814 | | | | | | | 6,814 |
| Pondera | | | | | | | 46,485 | | | | | 46,485 |
| Ragged Point | | | | | 10,382 | | | | | | | 10,382 |
| Reagan | | | | | | | | | | 16,671 | | 16,671 |
| Soap Creek | | | | | | | | | 5,141 | | | 5,141 |
| Sumatra | | | 554 | | 98,066 | | | | | | | 98,620 |
| Sweetgrass Hills | 369 | | | | | | | | | | | 369 |
| Whitlash | | | | | | | | 19,412 | | 1,487 | | 20,899 |
| Wolf Springs | | 56,329 | | | | | | | | | | 56,329 |
| Total Montana Oil | 76,098 | 170,041 | 61,066 | 12,007 | 139,118 | 5,762 | 77,583 | 200,059 | 5,141 | 123,201 | | 870,076 |
| Canadian Oil Imported | | | | | | | | | | 6,448 | | 6,448 |
| Wyoming Oil Imported | | 571,635 | 230,786 | | 336,687 | 1,359 | | | | | | 1,140,467 |
| TOTAL Montana, Canadian and Wyoming Oil | 76,098 | 741,676 | 291,852 | 12,007 | 475,805 | 7,121 | 77,583 | 200,059 | 5,141 | 129,649 | | 2,016,991 |

### AVERAGE BARRELS PER DAY

| | Montana | Canada | Wyoming | TOTAL |
|---|---|---|---|---|
| Year 1956 | 24,735 | 239 | 37,486 | 62,460 |
| November 1956 | 26,290 | 358 | 38,246 | 68,894 |
| November 1957 | 29,002 | 215 | 38,015 | 67,232 |

### PERCENTAGE OF CRUDE OIL REFINED

| Montana | Canada | Wyoming |
|---|---|---|
| 39.60% | .39% | 60.01% |
| 40.51% | .55% | 58.94% |
| 43.13% | .33% | 56.54% |